

Blueprint for Instruction and Assessment

Welding Technologies

48.0508.00



Domain	Related Standards	Instructional Time
Domain 1 Welding and Thermal Cutting Processes	STANDARD 3.0 SET UP AND USE SHIELDED METAL ARC WELDING (SMAW) EQUIPMENT STANDARD 4.0 SET UP AND USE GAS METAL ARC WELDING (GMAW) EQUIPMENT (MIG) STANDARD 5.0 SET UP AND USE FLUX CORED ARC WELDING (FCAW) EQUIPMENT STANDARD 6.0 SET UP AND USE GAS TUNGSTEN ARC WELDING (GTAW) EQUIPMENT (TIG) STANDARD 7.0 SET UP AND USE THERMAL CUTTING EQUIPMENT	50-60%
Domain 2 Auxiliary Tools and Equipment	STANDARD 9.0 USE AUXILLIARY EQUIPMENT AND TOOLS	10-20%
Domain 3 Blueprint and Weld Testing	STANDARD 2.0 LAY OUT AND FIT UP A PROJECT FROM A BLUEPRINT STANDARD 8.0 PERFORM WELDMENT TESTING	10-20%
Domain 4 Health and Safety	STANDARD 1.0 MAINTAIN THE SAFETY AND HEALTH OF WELDERS	10-20%

Content domains are bodies of knowledge, skills, or abilities to be taught and assessed. They illustrate the relationship among technical standards, instructional time, and student success on the Technical Skills Assessment. This blueprint corresponds with the technical standards endorsed on May 12, 2016.

